lumber:		453		•	Chr Proces Edited by:		10/22/
Change	d a file from no	n-ASCII to ASC	CII		Verified by:	///	_(STIC
Change	d the margins	n cases where	the sequence	text was "wrap	ped" down to th	e next line.	
Edited a	format error in	the Current A	oplication Data	section, speci	ically: EN	TFD	
					number. The nu		ed by the
Added ti	ne mandatory i	neading and su	bheadings for	*Current Applic	ation Data".		
Edited t	e "Number of	Sequences" fie	ld. The applic	ant spelled out	a number instea	ad of using ar	n integer.
Change	the spelling o	f a mandatory	field (the head	ings or subhea	dings), specifica	lly:	
Correcte	d the SEQ ID	NO when obvio	usly incorrect.	The sequence	numbers that v	vere edited w	ere:
Inserted	or corrected a	nucleic numbe	r at the end of	a nucleic line.	SEQ ID NO's e	edited:	
					me line as each to its appropria		If the
Inserted	colons after h	eadings/subhea	adings. Headi	ngs edited inclu	ıded:		
Deleted	extra, invalid,	neadings used	by an applican	it, specifically:			
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Inserted	I mandatory he	adings, specifi	cally:				
Correct	ed an obvious	error in the res	ponse, specific	ally:			
Edited in	dentifiers wher	e upper case is	s used but lowe	er case is requi	ed, or vice vers	a.	,,
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A "Hard	Page Break" (	code was insert	ed by the appl	icant. All occu	rences had to b	e deleted.	
					the "(A)Length:"		ngly (erro

Examin r: Th abov corrections must b communicated to th applicant in the first Offic Action. DO NOT send a copy of this form.

3/1/95

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/908,453

DATE: 10/22/98 TIME: 09:36:26

INPUT SET: S29199.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

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1
                                       SEQUENCE LISTING
 2
 3
    (1)
            General Information
 4
 5
             (i) APPLICANT: Ruvkun, Gary
 6
                             Morris, Jason
 7
                             Tissenbaum, Heidi
 8
 9
            (ii) TITLE OF THE INVENTION: AGE-1 POLYPEPTIDES AND RELATED
10
                     MOLECULES AND METHODS
11
12
            (iii) NUMBER OF SEQUENCES: 14
13
            (iv) CORRESPONDENCE ADDRESS:
14
15
              (A) ADDRESSEE: Clark & Elbing LLP
              (B) STREET: 176 Federal Street
16
              (C) CITY: Boston
17
18
              (D) STATE: MA
              (E) COUNTRY: USA
19
              (F) ZIP: 02110
20
21
22
            (V) COMPUTER READABLE FORM:
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              (A) MEDIUM TYPE: Diskette
24
              (B) COMPUTER: IBM Compatible
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              (C) OPERATING SYSTEM: DOS
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              (D) SOFTWARE: FastSEQ for Windows Version 2.0
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28
            (vi) CURRENT APPLICATION DATA:
              (A) APPLICATION NUMBER:
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              (B) FILING DATE:
31
              (C) CLASSIFICATION:
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            (vii) PRIOR APPLICATION DATA:
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              (A) APPLICATION NUMBER: US97/13914
35
              (B) FILING DATE: 07-AUG-1997
36
37
              (A) APPLICATION NUMBER: 60/023,382
              (B) FILING DATE: 07-AUG-1996
38
39
40
41
            (viii) ATTORNEY/AGENT INFORMATION:
42
              (A) NAME: Elbing, Karen L
              (B) REGISTRATION NUMBER: 35,238
43
              (C) REFERENCE/DOCKET NUMBER: 08472/704WO2
44
45
46
            (ix) TELECOMMUNICATION INFORMATION:
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## RAW SEQUENCE LISTING PATENT APPLICATION US/08/908,453

TIME: 09:36:28

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DATE: 10/22/98

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47
              (A) TELEPHONE: 617-428-0200
48
             (B) TELEFAX: 617-428-7045
49
              (C) TELEX:
50
51
              (2) INFORMATION FOR SEQ ID NO:1:
52
53
            (i) SEQUENCE CHARACTERISTICS:
54
55
              (A) LENGTH: 1146 amino acids
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              (B) TYPE: amino acid
              (C) STRANDEDNESS: unknown
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              (D) TOPOLOGY: linear
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59
            (ii) MOLECULE TYPE: protein
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61
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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67
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70
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72
     Val Arg Thr Ser Leu Glu Ile Lys Leu Ser Asp Phe Lys His Gln Leu
73
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75
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77
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                  100
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# RAW SEQUENCE LISTING PATENT APPLICATION US/08/908,453

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101	~3	290	•	<b>~</b>	<b>~</b> 7	<b>-</b>	295	<b></b>	m	<b>3</b>	<b>a</b>	300	a1	Dh.a	***	v-1
102	_	vaı	Arg	Ser	GIU		GIU	ser	Tyr	Arg	_	Pro	СТА	Pne	vaı	
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104	Arg	Arg	GIn	Ser		Val	Leu	Lys	Asp		cys	Arg	Pro	ьуs		Leu
105		_		_	325					330	_	_	_		335	_
106	Tyr	Glu	Pro	His	_			Ala		GLu	Arg	Lys	Leu		Leu	Asp
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109			355				_	360		_	_		365	_	=	<b>-</b>
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114	Ser	Gly	Phe	Asp	Phe	Pro	Ala	Asp	Val	Asp	Met	Tyr	Val	Arg		Glu
115					405					410					415	
116	Phe	Ser	Val	Tyr	Val	Gly	Thr	Leu	Thr	Leu	Ala	Ser	Lys		Thr	Thr
117				420					425					430		
118	Lys	Val	Asn	Ala	Gln	Phe	Ala	Lys	Trp	Asn	Lys	Glu	Met	Tyr	Thr	Phe
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122	Val	Leu	Tyr	Gly	Lys	Val	Lys	Leu	Lys	Ser	Glu	Glu	Phe	Glu	Val	Gly
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TIME: 09:36:30

DATE: 10/22/98

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164 165	Glu	Asn	Met	Asp	Ser 805	Pro	Leu	Asp	Pro	Val 810	Tyr	Lys	Leu	Gly	Glu 815	Met
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172 173	Val 865	Leu	Gln	Val	Leu	Glu 870	Val	Met	Asp	Asn	Ile 875	Trp	Lys	Ala	Ala	Asn 880
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182 183	Lys 945	Lys	Lys	Ser	Lys	Lys 950	Asp	Ser	Thr	Lys	Asn 955	Pro	Ile	Glu	Lys	Lys 960
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186 187	Phe	Leu	Tyr	Ser 980	Cys	Val	Gly	Tyr	Ser 985	Val	Ala	Thr	Tyr	Ile 990	Met	Gly
188 189			995	_	His		_ 1	1000				]	1005	_		_
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192 193	Leu 025	Gly	Ile	Gln	Arg	Asp 030	Arg	Gln	Pro		Ile 1035	Leu	Thr	Glu		Phe 1040
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195	•	~1	<b>-</b>		1045	<b>m</b> 1	<b>-</b>			1050			<b>~1</b>		1055	
196 197	Leu	GIN	_	Pne 1060	Lys	Thr	Leu	_	vaı 1065	GIU	АТА	туг		Val 1070	мет	Trp
198	Asn		Arg		Leu	Phe		Ser		Phe	Thr		Met		Gly	Met
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201		090					095	-		-		100			4	-
202	Thr		Phe	Cys	Asn	Gly		Ser	Lys		Glu		Arg	Lys		
203	105					1110	_				1115					1120
204 205	Ala	Gly	Ile		Glu L125	Glu	Ala	Phe		Gly 130	Ser	Trp	Ser		Lys 1135	Thr

258

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/908,453

TIME: 09:36:31

DATE: 10/22/98

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206 Asn Trp Leu Phe His Ala Val Lys His Tyr

207 208 209 (2) INFORMATION FOR SEQ ID NO:2: 210 (i) SEQUENCE CHARACTERISTICS: 211 (A) LENGTH: 3504 base pairs 212 213 (B) TYPE: nucleic acid (C) STRANDEDNESS: double 214 215 (D) TOPOLOGY: linear 216 (ii) MOLECULE TYPE: cDNA 217 218 219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2: 220 CGGAAGCCAT GGAGCTCGAG ATCTGATTGC TGGACACGGA CGGAACTCCG ACGTATCTCG 60 221 CAGATGCATG TTAACATTTT ACATCCACAA CTGCAAACGA TGGTCGAGCA GTGGCAAATG 222 120 223 CGAGAACGCC CATCGCTGGA GACCGAGAAT GGCAAAGGAT CGCTGCTCCT GGAAAATGAA 180 GGTGTCGCAG ATATCATCAC TATGTGTCCA TTCGGAGAAG TTATTAGTGT AGTATTTCCG 224 240 TGGTTTCTTG CAAATGTGCG AACATCGCTA GAAATCAAGC TATCAGATTT CAAACATCAA 225 300 226 CTTTTCGAAT TGATTGCTCC GATGAAGTGG GGAACATATT CCGTAAAGCC ACAGGATTAT 360 CTTTTCGAAT TGATTGCTCC GATGAAGTGG GGAACATATT CCGTAAAGCC ACAGGATTAT
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AAACTGGAAG AGAGCCTCGA TGAGGAACTC CGTCAATTTC GTGCTTCTCT CTGGGCTCGT 600 229 230 ACGAAGAAAA CGTGCTTGAC ACGTGGACTT GAGGGTACCA GTCACTACGC GTTCCCCGAA 660 231 GAACAGTACT TGTGTGTTGG TGAATCGTGC CCGAAAGATT TGGAATCAAA AGTCAAGGCT 720 232 233 GCCAAGCTGA GTTATCAGAT GTTTTGGAGA AAACGTAAAG CGGAAATCAA TGGAGTTTGC 780 234 GAGAAAATGA TGAAGATTCA AATTGAATTC AATCCGAACG AAACTCCGAA ATCTCTGCTT 840 CACACGTTTC TCTACGAAAT GCGAAAATTG GATGTATACG ATACCGATGA TCCTGCAGAT 900 235 GAAGGATGGT TTCTTCAATT GGCTGGACGT ACCACGTTTG TTACAAATCC AGATGTCAAA 236 960 CTTACGTCTT ATGATGGTGT CCGTTCGGAA CTGGAAAGCT ATCGATGCCC TGGATTCGTT 1020 237 GTTCGCCGAC AATCACTAGT CCTCAAAGAC TATTGTCGCC CAAAACCACT CTACGAACCA 1080 238 CATTATGTGA GAGCACACGA ACGAAAACTT GCTCTAGACG TGCTCAGCGT GTCTATAGAT 1140 AGCACACAA AACAGAGCAA GAACAGTGAC ATGGTTATGA CTGATTTTCG TCCGACAGCT 1200 240 241 TCACTCAAAC AAGTTTCACT TTGGGACCTT GACGCGAATC TTATGATACG GCCTGTGAAT 1260 ATTTCTGGAT TCGATTTCCC GGCCGACGTG GATATGTACG TTCGAATCGA ATTCAGTGTA 1320 242 TATGTGGGGA CACTGACGCT GGCATCAAAA TCTACAACAA AAGTGAATGC TCAATTTGCA 1380 243 244 AAATGGAATA AGGAAATGTA CACTTTTGAT CTATACATGA AGGATATGCC ACCATCTGCA 1440 245 GTACTCAGCA TTCGTGTTTT GTACGGAAAA GTGAAATTAA AAAGTGAAGA ATTCGAAGTT 1500 GGTTGGGTAA ATATGTCCCT AACCGATTGG AGAGATGAAC TACGACAAGG ACAATTTTTA 1560 246 TTCCATCTGT GGGCTCCTGA ACCGACTGCC AATCGTAGTA GGATCGGAGA AAATGGAGCA 247 1620 AGGATAGGCA CCAACGCAGC GGTTACAATT GAAATCTCAA GTTATGGTGG TAGAGTTCGA 248 1680 ATGCCGAGTC AAGGACAATA CACATATCTC GTCAAGCACC GAAGTACTTG GACGGAAACT 249 250 TTGAATATTA TGGGTGATGA CTATGAGTCG TGTATCAGAG ATCCAGGATA TAAGAAGCTT 251 CAGATGCTTG TCAAGAAGCA TGAATCTGGA ATTGTATTAG AGGAAGATGA ACAACGTCAT GTCTGGATGT GGAGGAGATA CATTCAAAAG CAGGAGCCTG ATTTGCTCAT TGTGCTCTCC 252 GAACTCGCAT TTGTGTGGAC TGATCGTGAG AACTTTTCCG AGCTCTATGT GATGCTTGAA 253 AAATGGAAAC CGCCGAGTGT GGCAGCCGCG TTGACTTTGC TTGGAAAACG TTGCACGGAT 254 255 CGTGTGATTC GAAAGTTTGC AGTGGAGAAG TTGAATGAGC AGCTGAGCCC GGTCACATTC 2100 256 CATCTTTCA TATTGCCTCT CATACAGGCG TTGAAGTACG AACCGCGTGC TCAATCGGAA 2160 257 GTTGGAATGA TGCTCTTGAC TAGAGCTCTC TGCGATTATC GAATTGGACA TCGACTTTTC 2220

TGGCTGCTCC GTGCAGAGAT TGCTCGTTTG AGAGATTGTG ATCTGAAAAG TGAAGAATAT 2280

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# **SEQUENCE VERIFICATION REPORT** PATENT APPLICATION *US/08/908,453*

DATE: 10/22/98 TIME: 09:36:32

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